

CLAIMS

1. The construction unit to be used in erecting building walls with the application of glass hollow tiles, consisting of the supporting elements embracing hollow tiles of a rectangular contour, characterised in that the supporting elements being the horizontal and vertical fasteners /1/ and 2/ in a form of joined blocks, which on their frontal side are provided with the longitudinal holes /7/ and 12/ with the mortises /10/, whereas on the lateral side of the vertical fasteners 2/ they are provided with the transverse holes /13/ overlapping with the holes /7/ of the horizontal fasteners /1/; in these holes the threaded fasteners combining the entire construction are being mounted.
2. The unit according to the claim 1, characterised in that on both external sides, to the horizontal and vertical fasteners /1/ and 2/ the profiled slats /3/ are being fixed, the edges /16/ of which are somewhat advanced outside the lateral edges /17/ and 18/ of these fasteners.
3. The unit according to the claim 2, characterised in that the profiled slats /3/ are being fixed to the horizontal and vertical fasteners /1/ and 2/ by means of the tongue-and-groove joints /15/.
4. The unit according to the claim 1, characterised in that the threaded fastener is composed of the stud-bolt /4/ and the longitudinal nut /5/ co-operating with it.
5. The unit according to the claim 1, characterised in that the horizontal fastener /1/ has a length /a/ preferably equal to the length /b/ of the glass hollow tile /6/, whereas the transverse holes /13/ of the vertical

fastener 2/ are situated in relation to the frontal surfaces 25/, contacting each other after assembly, at a distance s/ equal to the sum of a half height h/ of the hollow tile and a half thickness d/ of the horizontal fastener 1/.

6. The unit according to the claim 1, characterised in that in order to construct arched profiled walls it is provided with the distance pads 20/ in a form of tongues, mounted in front of the convex section, between the side surfaces 21/ of the vertical fastener 2/ and the frontal surfaces 22/ of the horizontal fastener 1/.
7. The unit according to the claim 1, characterised in that the longitudinal holes 7 and 12/ with the mortises 10/ are given a form of the grooved recesses 7a and 12a/ with the mortises 10a/, made through the whole length of the horizontal and vertical fasteners 1 and 2/.
8. The unit according to the claim 7, characterised in that the grooved recesses 7a and 12a/ of the horizontal and vertical fasteners 1 and 2/ have the arch-shaped bottoms 26/, adjusted to the oval shape of the bolt 4/ of the threaded fastener, and made at such the depth, which enables longitudinal and centric positioning of the threaded fasteners.